

55779. "(Likiang, Yunnan. July 20, 1922.) A small lily with single white flowers; found on the Likang snow range at an altitude of 14,000 feet."

55780. "(Likiang, Yunnan. July, 1922.) A lily with red stems and thick, fleshy, light-green leaves, collected on the eastern slope of the Likang snow range at an altitude of 14,000 feet. The yellowish green flowers are marked with purple stripes."

**MANGIFERA ALTISSIMA** (Anacardiaceae), 55812. From Manila, Philippine Islands. Budwood presented by Sr. Adn. Hernandez, director, Bureau of Agriculture. A Philippine relative of the mango, which is found wild from northern Luzon to southern Mindanao, where it forms a large tree sometimes reaching a height of 116 feet. The tree is not cultivated, although the mangolike, smooth, green or yellowish fruits, 2 to 3 inches long, are used for making pickles. The leaves are long, narrow, and pointed at both ends, and the small, fragrant, white flowers are borne in large numbers in branched clusters. (Adapted from W. H. Brown, *Wild Food Plants of the Philippines*, p. 94.)

**OSYRIS ALBA** (Santalaceae), 55791. From Nice, France. Seeds presented by Dr. A. Robertson Proschowsky. "A small evergreen bush which is very ornamental when loaded with its red fruits. It grows in very poor soil." (Proschowsky.)

A small upright shrub 3 feet high, widely distributed throughout the Mediterranean region. It has stiff, narrow, yellowish green leaves, small axillary greenish yellow flowers, and small red fruits. The roots and fruit possess astringent properties. (Adapted from Schneider, *Illustriertes Handbuch der Laubholzkunde*, vol. 1, p. 247.)

**PAULLINIA CUPANA** (Sapindaceae), 55738. *Guarana*. From Rio de Janeiro, Brazil. Seeds presented by Dr. J. Simao da Costa, through Dr. W. L. Schurz, Commercial Attache of the American Embassy. A stout, bushy vine found wild in Venezuela and northwestern Brazil, and also cultivated in the latter country for the sake of the grapelike fruits, from which is obtained the product known as guarana. This, in the form of a black paste, has received considerable attention in the pharmaceutical world in recent years as a natural source of caffeine.

The following analysis shows the composition of guarana:

	Per cent.
Caffein	5.388
Essential oil	2.950
Resin	7.800
Coloring matter,	1.570
Saponin	0.060
Guarana-tannic acid	5.902